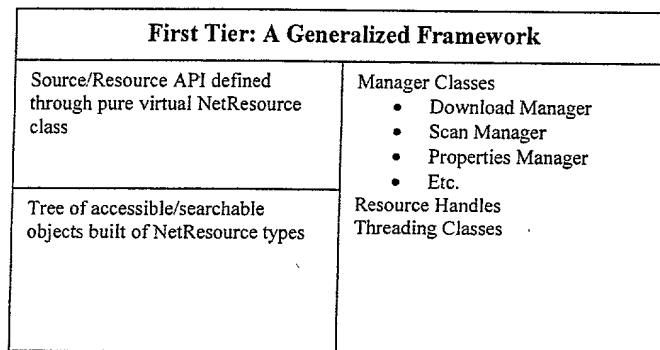


Two-Tier Search System: Logical Components Diagram



Second Tier: Specific implementations of Source/Resource API through derived NetResource classes

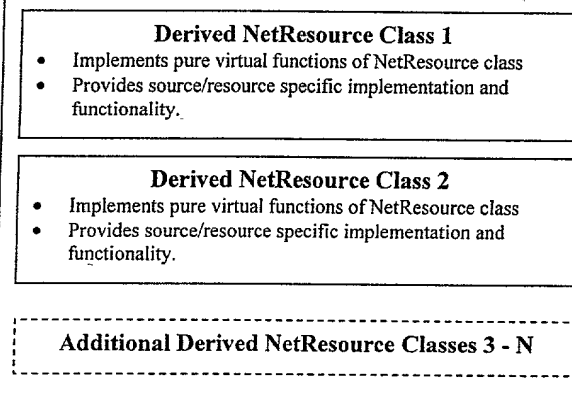


Figure 1

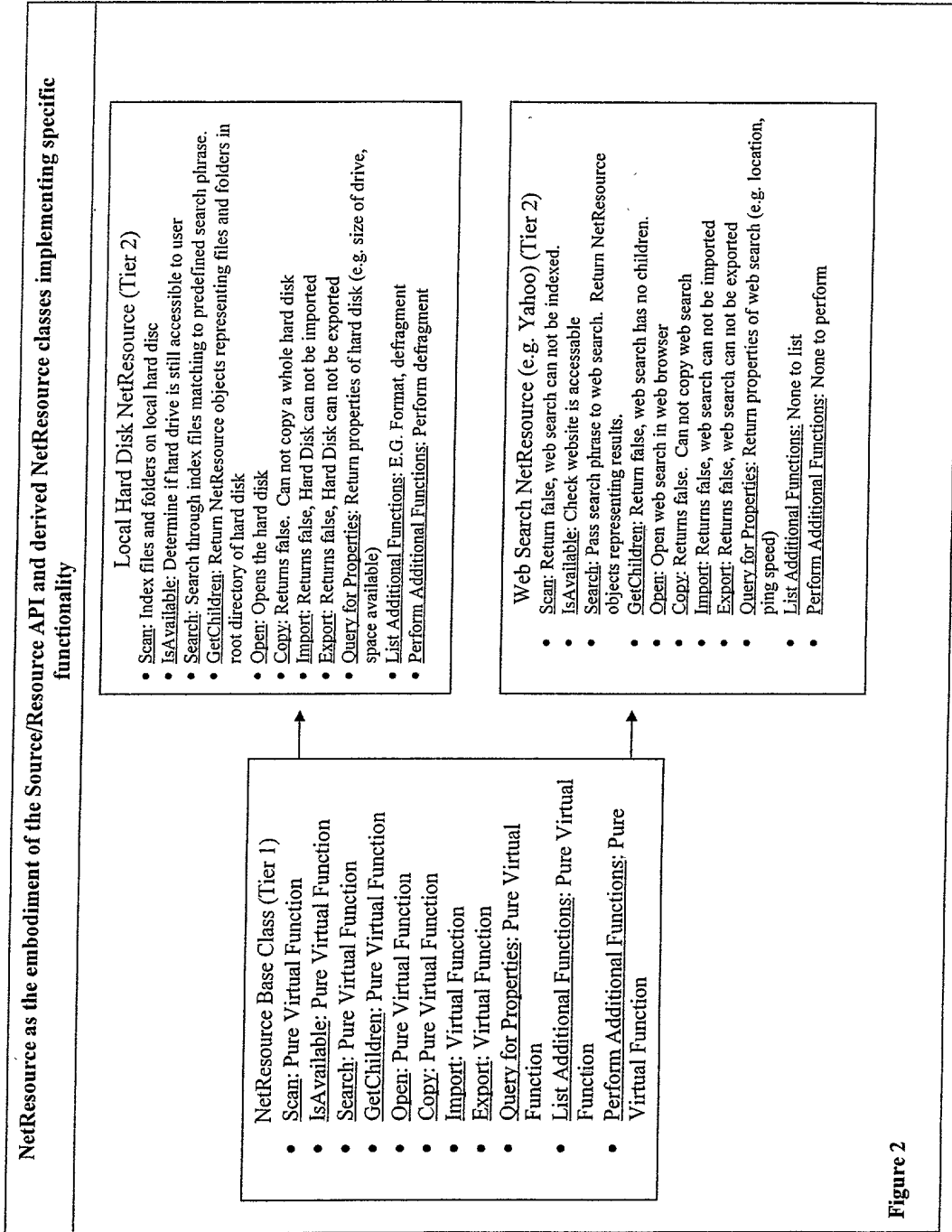


Figure 2

NetResource SubTypes define portions of NetResource API

NetResource Base Class
<ul style="list-style-type: none"> • <u>Scan</u>: Pure Virtual Function • <u>IsAvailable</u>: Virtual Function • <u>Search</u>: Virtual Function • <u>GetChildren</u>: Virtual Function • <u>Open</u>: Virtual Function • <u>Copy</u>: Virtual Function
<ul style="list-style-type: none"> • <u>Import</u>: Virtual Function • <u>Export</u>: Virtual Function • <u>Query for Properties</u>: Virtual Function • <u>List Additional Functions</u>: Virtual Function • <u>Perform Additional Functions</u>: Virtual Function

Virtual NetResource (defined functions listed)
<ul style="list-style-type: none"> • <u>Scan</u> • <u>Search</u> • <u>GetChildren</u> • <u>Query for Properties</u> • <u>List Additional Functions</u> • <u>Perform Additional Functions</u>

Resource NetResource (defined functions listed)
<ul style="list-style-type: none"> • <u>Open</u> • <u>Copy</u> • <u>Import</u> • <u>Export</u> • <u>Query for Properties</u> • <u>List Additional Functions</u> • <u>Perform Additional Functions</u>

Container NetResource (defined functions listed)
<ul style="list-style-type: none"> • <u>Scan</u> • <u>Is Available</u> • <u>Search</u> • <u>GetChildren</u> • <u>Open</u> • <u>Copy</u> • <u>Import</u> • <u>Export</u> • <u>Query for Properties</u> • <u>List Additional Functions</u> • <u>Perform Additional Functions</u>

Figure 3

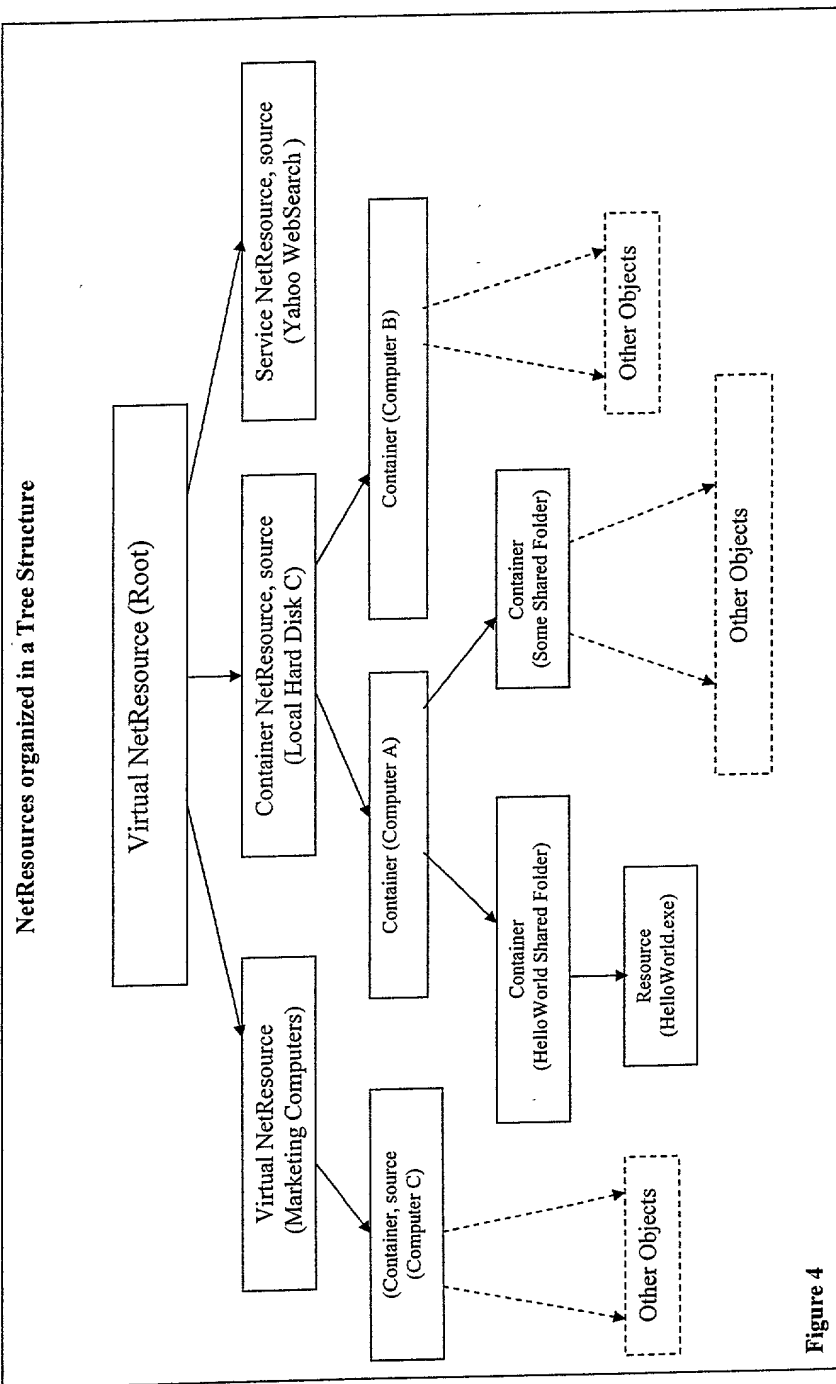


Figure 4

